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Abdul Waheed, Diane T. Rover  
December 1995 **Supercomputing '95: Proceedings of the 1995 ACM/IEEE (CDROM)**

**Publisher:** ACM

 Full text available: [HTML](#) (82.04 KB)

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Software instrumentation is a widely used technique for parallel program steering, and visualization. With increasing sophistication of parallel tool broadening of application areas where ...

**Keywords:** instrumentation systems, software monitoring, parallel programming, modeling, perturbation, performance analysis

- 2 [Using selective discard to improve real-time video quality on an ethernet](#)  
Yantian Della Torre Lu, Kenneth J. Christensen  
March 1999 **International Journal of Network Management**, Volume 9 Issue 1  
**Publisher:** John Wiley & Sons, Inc.

 Full text available: [PDF](#) (1.44 MB)

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To support real-time MPEG video on Ethernet, a selective discard scheme discards loss of more important MPEG "I" frames for less important "B" frames. So quality. Copyright ...

- 3 [The performance of TCP/IP for networks with high bandwidth-delay product](#)  
T. V. Lakshman, Upamanyu Madhow  
June 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 3  
**Publisher:** IEEE Press

 Full text available: [PDF](#) (390.77 KB)




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**Keywords:** TCP/IP, congestion control, error recovery, flow control, internet

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 Jeffrey Scott Vitter  
 June 2001 **Computing Surveys (CSUR)** , Volume 33 Issue 2  
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Data sets in large applications are often too massive to fit completely ins resulting input/output communication (or I/O) between fast internal mer as disks) can be a major performance ...




**Keywords:** B-tree, I/O, batched, block, disk, dynamic, extendible hashi memory, multidimensional access methods, multilevel memory, online, c

- 5 [H-RMC: a hybrid reliable multicast protocol for the Linux kernel](#)  
 Philip K. McKinley, Ravi T. Rao, Robin F. Wright  
 January 1999 **Supercomputing '99: Proceedings of the 1999 ACM/IEEE co**  
**Publisher:** ACM  
 Full text available:  [Pdf](#) (493.98 KB) **Additional Information:** [full citation](#), [referer](#)  
**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 10, Downloa

- 6 [Balancing performance and flexibility with hardware support for netw](#)  
 Ilija Hadžić, Jonathan M. Smith  
 November 2003 **Transactions on Computer Systems (TOCS)** , Volume 21 I  
**Publisher:** ACM  [Request Permissions](#)  
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The goals of performance and flexibility are often at odds in the design o common enough to justify an architectural solution, rather than a set of Programmable Protocol Processing Pipeline ...




**Keywords:** FPGA, P4, computer networking, flexibility, hardware, perfor programmable networks, protocol processing

- 7 [Cost-effective streaming server implementation using Hi-tactix](#)  
 Damien Le Moal, Tadashi Takeuchi, Tadaaki Bando  
 December 2002 **MULTIMEDIA '02: Proceedings of the tenth ACM internatic**  
**Publisher:** ACM  [Request Permissions](#)  
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High performance and high quality for continuous media stream delivery cannot be achieved efficiently using general-purpose operating systems, mechanism implementation generally used. ...

**Keywords:** audio/video streaming, operating system, quicktime, real-tir


## 8 Warehousing and mining Web logs

-  Karuna P. Joshi, Anupam Joshi, Yelena Yesha, Raghu Krishnapuram  
November 1999 **WIDM '99: Proceedings of the 2nd international workshop on management**  
**Publisher:** ACM  [Request Permissions](#)  
Full text available:  [Pdf](#) (1.66 MB) **Additional Information:** [full citation](#), [abstract](#)  
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Analyzing Web Logs for usage and access trends can not only provide information for developers and administrators, but also help in creating adaptive web sites that generate fixed reports from web ...


**Keywords:** Web logs, Web mining, ad hoc analysis, clustering, user interaction

## 9 Optimizing TCP forwarder performance

- Oliver Spatscheck, Jørgen S. Hansen, John H. Hartman, Larry L. Peterson  
April 2000 **IEEE/ ACM Transactions on Networking (TON)**, Volume 8 Issue 2  
**Publisher:** IEEE Press  
Full text available:  [Pdf](#) (119.23 KB) **Additional Information:** [full citation](#), [reference](#)  
**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 49, Downloads (24 Months): 49



**Keywords:** TCP, firewall, proxy, router

## 10 Start-time fair queueing: a scheduling algorithm for integrated service

- Pawan Goyal, Hsueh-Min Lin, Haichen Cheng  
October 1997 **IEEE/ ACM Transactions on Networking (TON)**, Volume 5 Issue 5  
**Publisher:** IEEE Press  
Full text available:  [Pdf](#) (431.62 KB) **Additional Information:** [full citation](#), [reference](#)  
**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 82, Downloads (24 Months): 82

**Keywords:** fair queueing, integrated services networks, packet scheduling


## 11 Web application security assessment by fault injection and behavior

-  Yao-Wen Huang, Shih-Kun Huang, Tsung-Po Lin, Chung-Hung Tsai  
May 2003 **WWW '03: Proceedings of the 12th international conference on World Wide Web**  
**Publisher:** ACM  
Full text available:  [Pdf](#) (4.53 MB) **Additional Information:** [full citation](#), [abstract](#)  
**Bibliometrics:** Downloads (6 Weeks): 79, Downloads (12 Months): 735, Downloads (24 Months): 735

As a large and complex application platform, the World Wide Web is capable of supporting sophisticated applications. However, many Web applications go through extremely short turnaround time, making it difficult ...

**Keywords:** black-box testing, complete crawling, fault injection, security

## 12 A game-theoretic approach towards congestion control in communication networks

-  Rahul Garg, Abhinav Kamra, Varun Khurana  
July 2002 **SIGCOMM Computer Communication Review**, Volume 32 Issue 4  
**Publisher:** ACM

Full text available:  Pdf (379.11 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 80, Downloads

Most of the end-to-end congestion control schemes are "voluntary" in nature. We show that in the presence of selfish users, all such schemes collapse. Router and switch ...


**Keywords:** DWS, GPS, RIS, TCP, congestion control, fairness, game theory, equilibrium, scheduling, stackelberg equilibrium

### 13 Experiments in Composing Proxy Audio Services for Mobile Users

Philip K. McKinley, Udiyan I. Padmanabhan, Nandagopal Ancha

November 2001 **Middleware '01: Proceedings of the IFIP/ACM International Conference on Mobile Computing and Communications**

Publisher: Springer-Verlag


Full text available:  Pdf (809.23 KB)Additional Information: [full citation](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 9, Downloads

### 14 Fluid simulation: discrete event fluid modeling of TCP

David M. Nicol



December 2001 **WSC '01: Proceedings of the 33rd conference on Winter simulation**

Publisher: IEEE Computer Society

Full text available:  Pdf (151.17 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 18, Downloads

The bulk of Internet traffic is carried using variants of the TCP protocol. The study of any distributed application run over the Internet (e.g. reliable transfer) is impacted by the TCP background ...



### 15 Application level hand-off support for mobile media transcoding sessions

 Sumit Roy, Bo Shen, Vijay Sundaram, Raj KumarMay 2002 **NOSSDAV '02: Proceedings of the 12th international workshop on Network-Oriented Support for Digital Audio and Video**Publisher: ACM Full text available:  Pdf (222.88 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 20, Downloads

Media transcoding can be used to enable mobile devices that have low rate access to content created for stationary, desktop clients with high bandwidth servers near the edge of ...

**Keywords:** hand-off, mobility, transcoding

### 16 Multidimensional access methods

 Volker Gaede, Oliver GüntherJune 1998 **Computing Surveys (CSUR)**, Volume 30 Issue 2Publisher: ACM Full text available:  Pdf (1.05 MB)Additional Information: [full citation](#), [abstract](#)


**Bibliometrics:** Downloads (6 Weeks): 64, Downloads (12 Months): 510, Download

Search operations in databases require special support at the physical level of databases as well as spatial databases, where typical search operations include those that contain ...

**Keywords:** data structures, multidimensional access methods

- 17 [TCP westwood: Bandwidth estimation for enhanced transport over wireless networks](#)  
Saverio Mascolo, Claudio Casetti, Mario Gerla, M. Y. Sanadidi, Ren Wang  
July 2001 **MobiCom '01: Proceedings of the 7th annual international conference on mobile computing and networking**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (344.76 KB)


[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 207, Download

TCP Westwood (TCPW) is a sender-side modification of the TCP congestion control algorithm. It improves the performance of TCP Reno in wired as well as wireless networks. The algorithm is designed to work in wireless networks with lossy links, ...

- 18 [Tarzan: a peer-to-peer anonymizing network layer](#)  
Michael J. Freedman, Robert Morris  
November 2002 **CCS '02: Proceedings of the 9th ACM conference on Computer and Communications Security**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (242.72 KB)

[Additional Information: full citation, abstract](#)


**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 136, Download

Tarzan is a peer-to-peer anonymous IP network overlay. Because it provides anonymity, it is useful for a wide range of purposes and transparent to applications. Organized as a decentralized peer-to-peer network, it is tolerant, highly scalable, and easy to use ...

**Keywords:** IP tunnels, anonymity, cover traffic, distributed trust, mix-nets

- 19 [Logical and physical design issues for smart card databases](#)  
Cristiana Bolchini, Fabio Salice, Fabio A. Schreiber, Letizia Tanca  
July 2003 **Transactions on Information Systems (TOIS)**, Volume 21 Is

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (1.12 MB)

[Additional Information: full citation, abstract](#)


**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 154, Download

The design of very small databases for smart cards and for portable embedded systems must take into account the peculiar features of the physical medium. We propose a joint approach to the design phases and evaluate several ...

**Keywords:** Design methodology, access methods, data structures, flash memory, smart card

 OS and compiler considerations in the design of the IA-64 architecture  
Rumi Zahir, Jonathan Ross, Dale Morris, Drew Hess  
December 2000 **ASPLOS-IX: Proceedings of the ninth international conference on programming languages and operating systems**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (96.50 KB)

**Additional Information:** full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 31, Downloads

Increasing demands for processor performance have outstripped the pace of improvements, pushing designers to find ways of increasing the amount of parallelism. Traditional RISC architectures use hardware ...

Also published in:

December 2000 **SIGOPS Operating Systems Review** Volume 34 Issue 5

December 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 5

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